

IN THE CLAIMS:

Please substitute the following amended claims 10, 13,14 and 15 for the pending claims having the same claim numbers:

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Cancelled)
9. (Cancelled)
10. (Currently amended) A DNA sequence or degenerate variant thereof, which encodes TRIP or a fragment thereof, selected from the group consisting of the nucleotide sequences encoding human TRIP shown in FIGURE 8 (SEQ ID NO: 7) and mouse TRIP (SEQ ID NO: 8), DNA sequences that hybridize to any of the foregoing DNA sequences of SEQ ID NOs: 7 and 8 under standard hybridization conditions, which corresponds to 5x SSC at 65° C and DNA sequences that code on expression for an amino acid sequence of SEQ ID NO: 1 (human TRIP)

and SEQ ID NO: 2 (mouse TRIP) encoded by any of the foregoing DNA sequences, wherein said DNA sequence or degenerate variant thereof, which encodes TRIP or a fragment thereof, regulates TRAF-2 mediated NF-kB activation.

11. (Original) The DNA sequence of Claim 10, wherein said DNA sequence is operatively linked to an expression control sequence.

12. (Original) A probe capable of screening for TRIP in alternate species prepared from the DNA sequence of Claim 10.

13. (Currently amended) A recombinant DNA molecule comprising a DNA sequence or degenerate variant thereof, which encodes TRIP or a fragment thereof, selected from the group consisting of the nucleotide sequences encoding human TRIP shown in FIGURE 8 (SEQ ID NO: 7) and mouse TRIP (SEQ ID NO: 8), DNA sequences that hybridize to any of the foregoing DNA sequences of SEQ ID NOs: 7 and 8 under standard hybridization conditions, which corresponds to 5x SSC at 65° C and DNA sequences that code on expression for an amino acid sequence of SEQ ID NO: 1 (human TRIP) and SEQ ID NO: 2 (mouse TRIP) encoded by any of the foregoing DNA sequences, wherein said DNA sequence or degenerate variant thereof, which encodes TRIP or a fragment thereof, regulates TRAF-2 mediated NF-kB activation.

14. (Currently amended) A unicellular host transformed with a recombinant DNA molecule comprising a DNA sequence or degenerate variant thereof, which encodes TRIP or a fragment thereof, selected from the group consisting of the nucleotide sequences encoding human TRIP shown in FIGURE 8 (SEQ ID NO: 7) and mouse TRIP (SEQ ID NO: 8), DNA sequences that hybridize to any of the foregoing DNA sequences of SEQ ID NOs: 7 and 8 under standard hybridization conditions, which corresponds to 5x SSC at 65° C and DNA sequences that code on expression for an amino acid sequence of SEQ ID NO: 1 (human TRIP) and SEQ ID NO: 2 (mouse TRIP) encoded by any of the foregoing DNA sequences, wherein said DNA sequence or degenerate variant thereof, which encodes TRIP or a fragment thereof, regulates TRAF-2 mediated NF-kB activation.

15. (Currently amended) A recombinant DNA molecule which upon transcription, produces an antisense nucleic acid against TRIP mRNA, said TRIP mRNA specific for translation of amino acid sequences selected from the group consisting of amino acid sequences shown in FIGURE 2A (SEQ ID NO: 1) (SEQ ID NO: 2) (SEQ ID NO: 3) (SEQ ID NO: 4), FIGURE 2B (SEQ ID NO: 5) (SEQ ID NO: 6) and fragments thereof, said antisense nucleic acid comprising an nucleic acid sequence capable of hybridizing to said TRIP mRNA under standard hybridization conditions, which corresponds to 5x SSC at 65° C.

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (Cancelled)

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Cancelled)

29. (Cancelled)

30. (Cancelled)

31. (Cancelled)